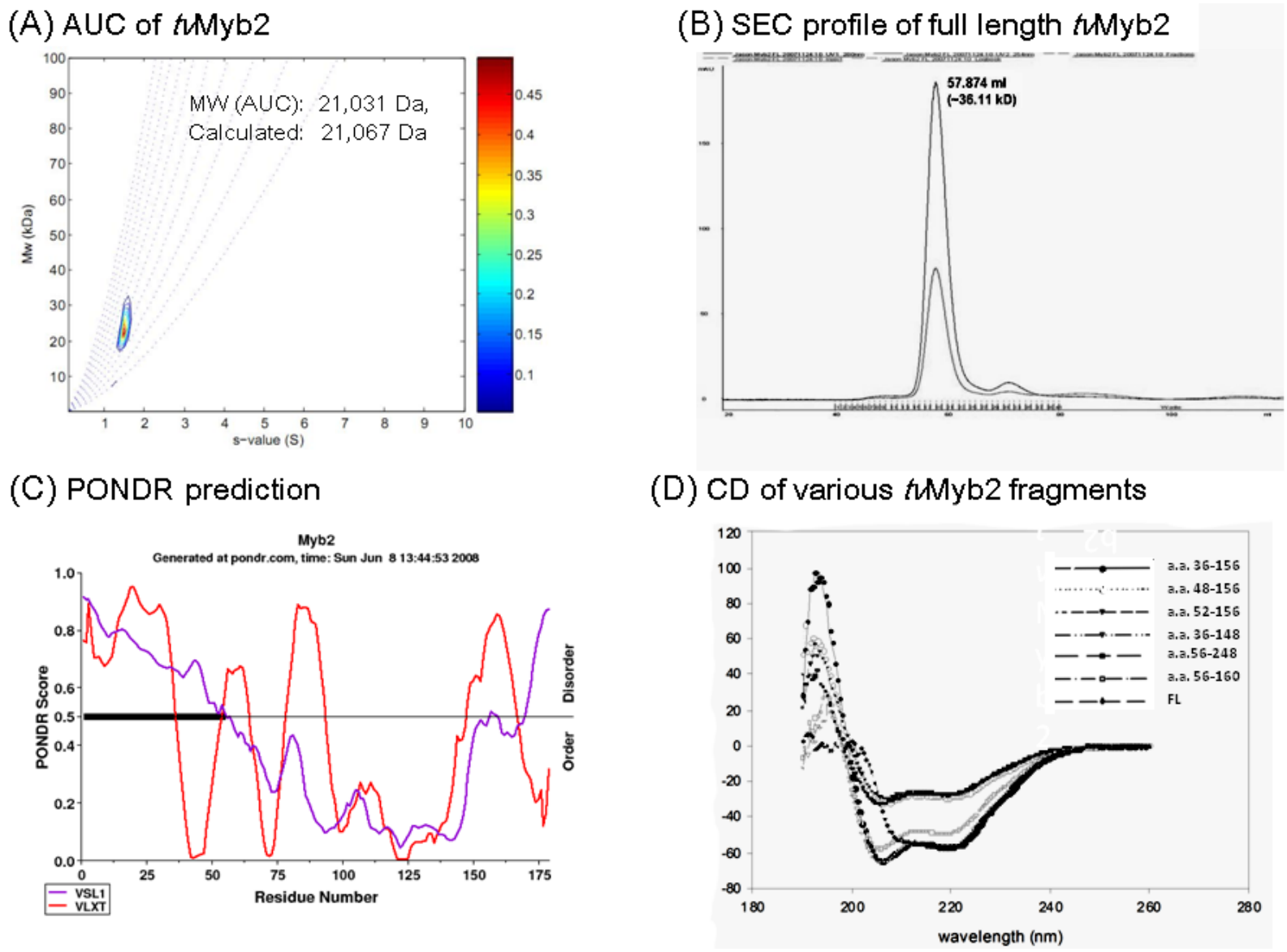
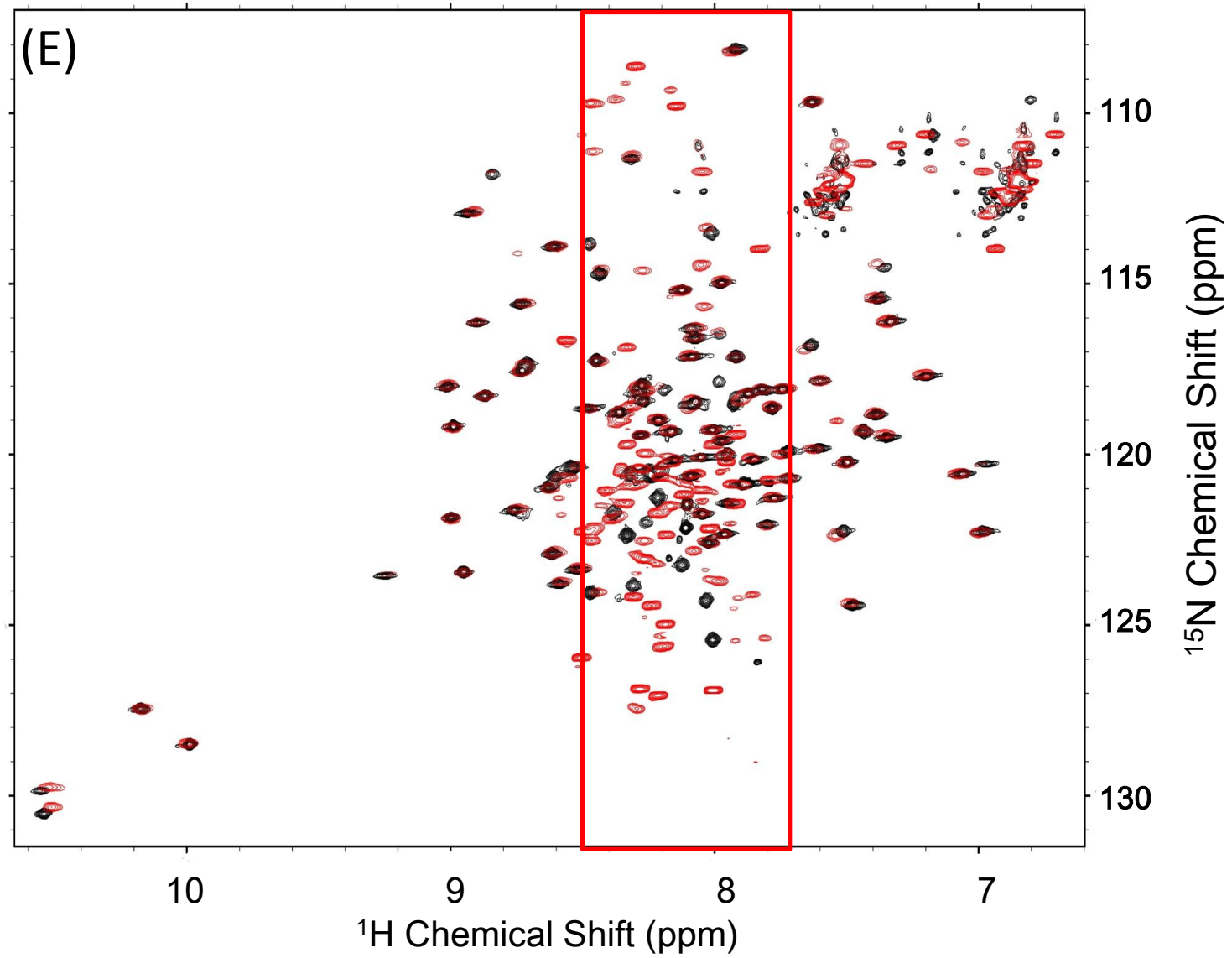
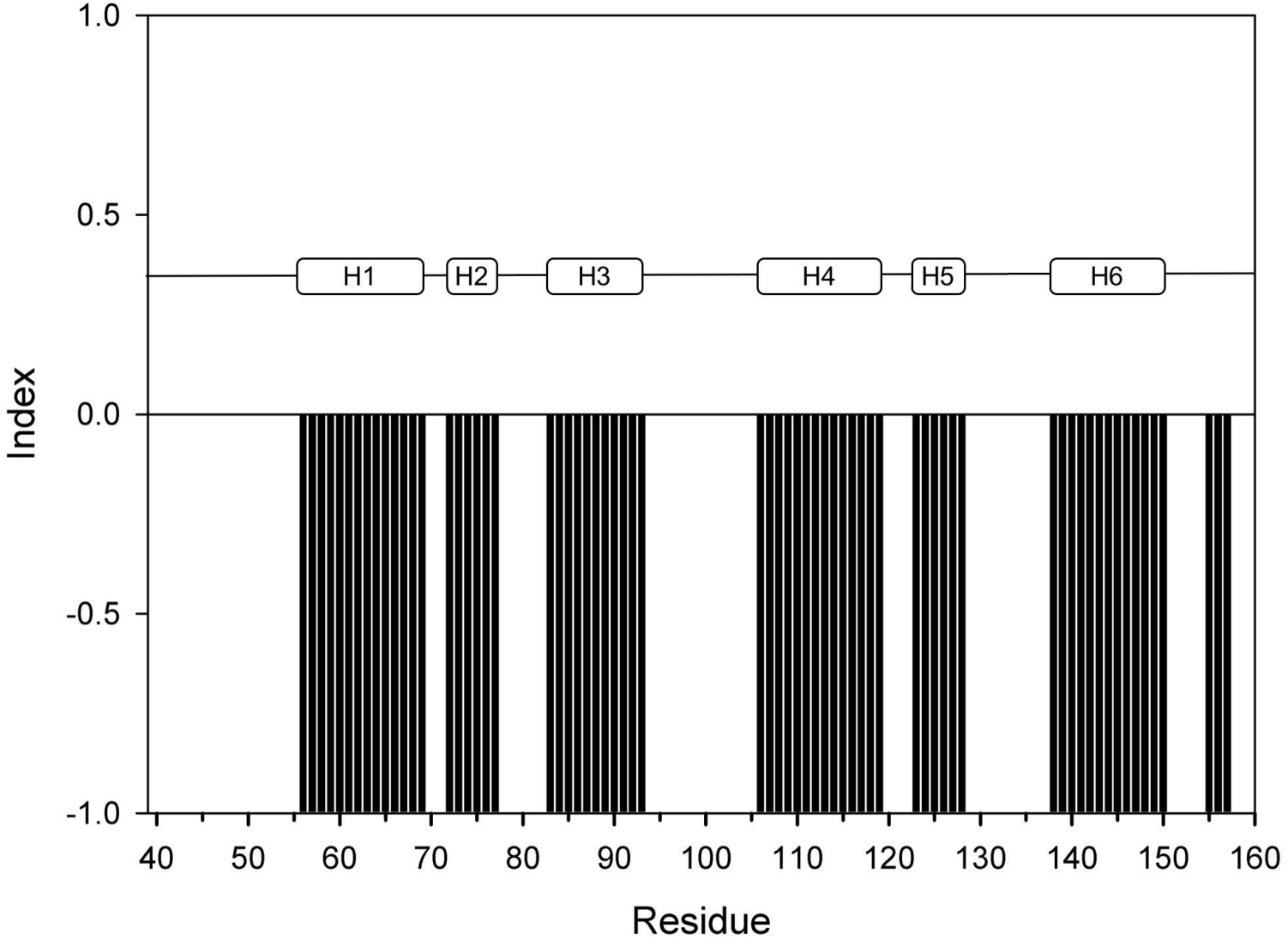


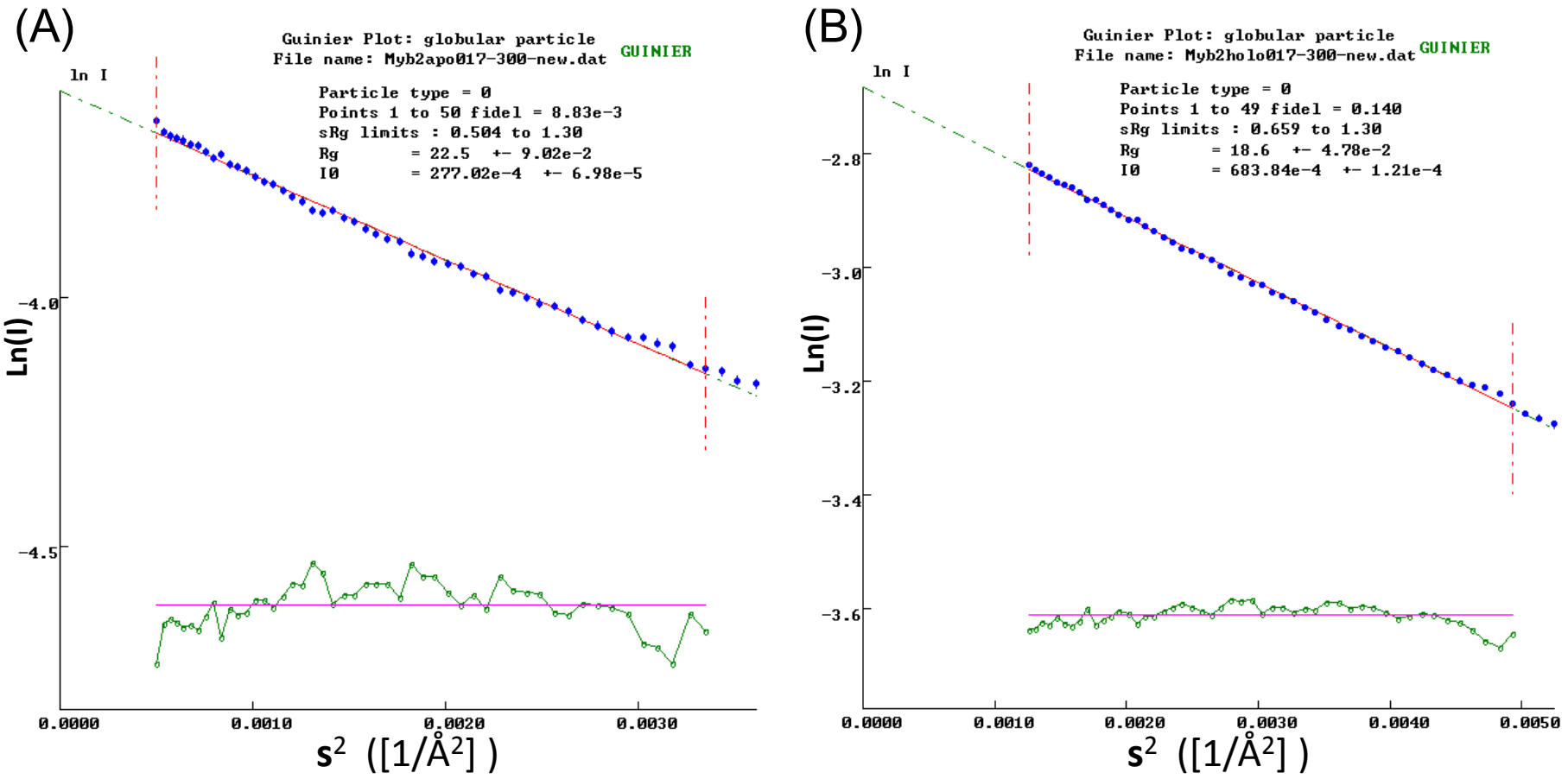

**Supplemental Figure S1**. (A) Sedimentation equilibrium analytical ultracentrifuge profile of *tv*Myb2. The molecular weight estimated is 21,031 Da and that calculated from the sequence is 21,067 Da. (B) Size exclusion chromatograms of *tv*Myb2. The estimated molecular weight is 36.1 kDa. (C) PONDR prediction of the order-disorder profile of *tv*Myb2. Residues with PONDR score greater than 0.5 are predicted to be disordered and those with less than 0.5 are ordered. (D) CD scans of various *tv*Myb2 fragments.



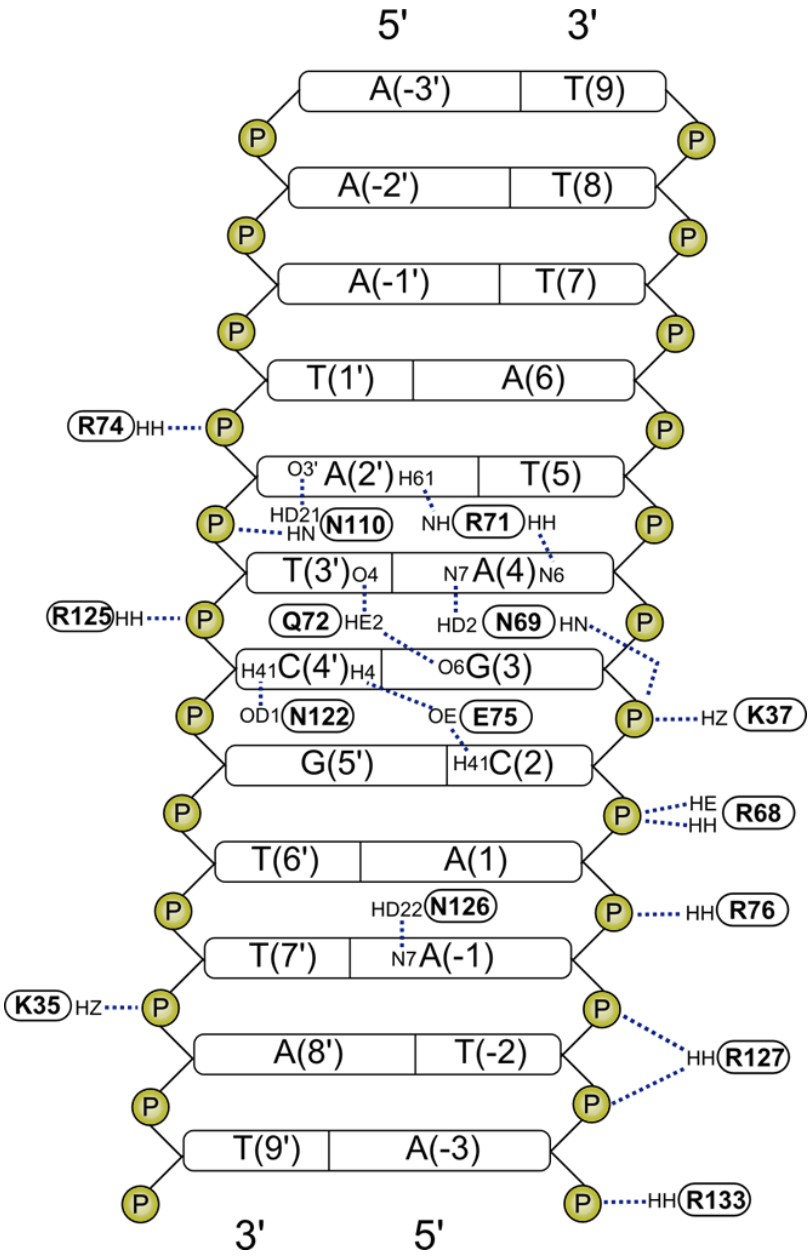

**Supplemental Figure S2:** $^{15}$N-HSQC spectra of the full-length *tv*Myb2 (red) and *tv*Myb2$_{40\text{-}156}$ (black).

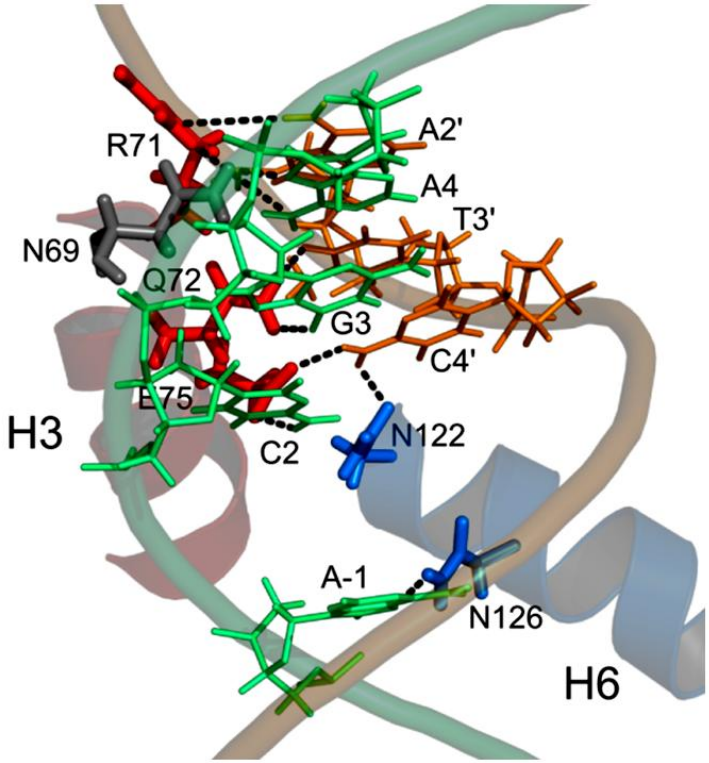



**Supplemental Figure S3.** (Composite chemical shift index derived from $H^{\alpha}$, $C^{\alpha}$ and $C^{\beta}$ for assigning the secondary structure of the *tv*Myb2$_{40\text{-}156}$–MRE-1-12 complex.




**Supplemental Figure S4:** Guinier Plots of: (A) DNA-free *tv*Myb2$_{40\text{-}156}$; and (B) *tv*Myb2$_{40\text{-}156}$. The scattered intensity (I) is plotted as a function of scattering angle ($s^2$), where $s = 4*\pi*\sin(\theta)/\lambda$, for estimating the Rg value.




**Supplemental Figure S5:** (A) Schematic representations of the detailed interactions between *tv*Myb1$_{35\text{-}141}$ with a 16-mer DNA (PDB ID: 2KDZ)